

SPLP has made revisions to the proposed workspaces in Cumberland County since submittal of the Chapter 105 and 102 Permit Applications in March 2016. These revisions have been the result of landowner requests, agency requests, the avoidance of sensitive species or their habitats, and/or to further reduce impacts to aquatic resources. The additions and subtractions to the workspaces are listed and quantified within Table 1. In addition, this attachment highlights the location and extent of these additions and subtractions to the workspaces on a set of site plans. Each addition/subtraction has been assigned an identification code and that code is reflected below and on the set of site plans. The additions and subtractions are listed from west to east. A total of approximately 6.4832 acres was added and 10.7133 acres subtracted for a net decrease of 4.2301 acres of earth disturbance.

**Table 1. Pennsylvania Pipeline Project LOD Additions and Subtractions.**

<b>CHANGE ID</b>	<b>COUNTY</b>	<b>REASON FOR CHANGE</b>	<b>ACREAGE</b>	<b>LOD ADDITION OR SUBTRACTION</b>	<b>WETLAND DELINEATION<sup>1</sup></b>	<b>PNDI EVALUATION<sup>2</sup></b>	<b>SHEET NUMBER</b>
Sub-80	CUMBERLAND	Travel lane removed to avoid aquatic resource impacts	0.6202	Subtraction	NA	NA	5
Sub-81	CUMBERLAND	Temporary workspace reduction to avoid wetland impact	0.0320	Subtraction	NA	NA	21
Sub-82	CUMBERLAND	Permanent ROW adjustment to minimize wetland impact	0.0019	Subtraction	NA	NA	25
Sub-83	CUMBERLAND	Temporary workspace adjustment to minimize aquatic resource impacts	0.5329	Subtraction	NA	NA	26
Sub-84	CUMBERLAND	Travel lane removed to avoid aquatic resource impacts	0.9746	Subtraction	NA	NA	30
Sub-85	CUMBERLAND	Permanent ROW reduction to minimize wetland impact	0.0517	Subtraction	NA	NA	32
Sub-84A	CUMBERLAND	Block valve location change	0.9260	Subtraction	NA	NA	40
Add-51A	CUMBERLAND	Block valve location change	1.2547	Addition	Yes	Yes	40
Add-52	CUMBERLAND	Minor LOD adjustment needed to facilitate safe installation	0.0306	Addition	Yes	Yes	42

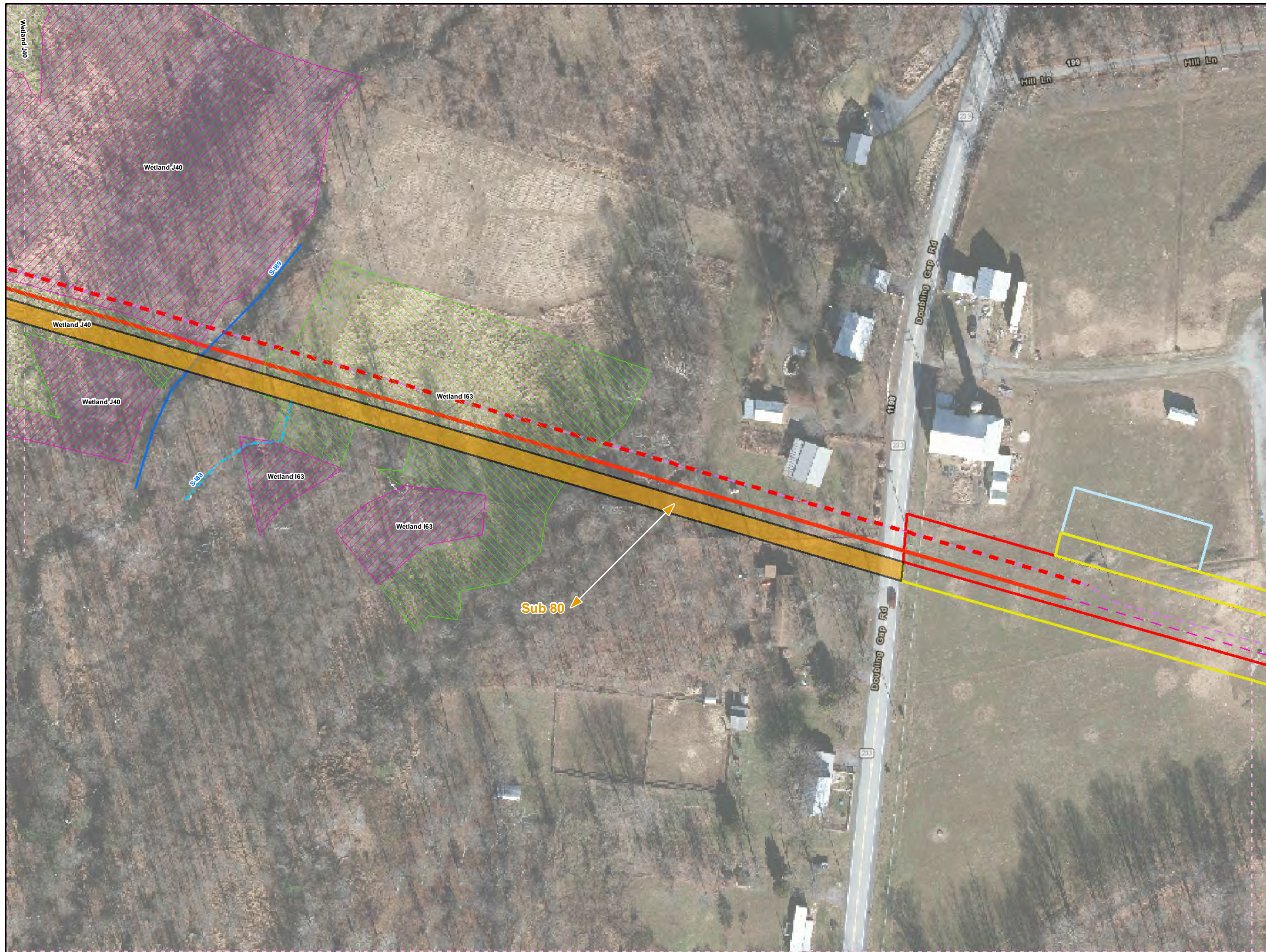
<b>CHANGE ID</b>	<b>COUNTY</b>	<b>REASON FOR CHANGE</b>	<b>ACREAGE</b>	<b>LOD ADDITION OR SUBTRACTION</b>	<b>WETLAND DELINEATION<sup>1</sup></b>	<b>PNDI EVALUATION<sup>2</sup></b>	<b>SHEET NUMBER</b>
Add-53	CUMBERLAND	Minor LOD adjustment needed to facilitate safe installation	0.0240	Addition	Yes	Yes	55
Sub-86	CUMBERLAND	Temporary workspace reduction to minimize wetland impact	0.0324	Subtraction	NA	NA	55
Add-54	CUMBERLAND	Minor LOD adjustment needed to facilitate safe installation	0.0158	Addition	Yes	Yes	61
Add-55	CUMBERLAND	Reroute based on land acquisition constraints.	2.7587	Addition	Yes	Yes	61
Add-56	CUMBERLAND	Temporary access road needed to facilitate safe installation	0.0406	Addition	Yes	Yes	62
Add-57	CUMBERLAND	Reroute based on land acquisition constraints.	0.4149	Addition	Yes	Yes	62
Sub-87	CUMBERLAND	Reroute based on land acquisition constraints.	7.1846	Subtraction	NA	NA	61
Add-58	CUMBERLAND	Minor LOD adjustment needed to facilitate safe installation	0.1481	Addition	Yes	Yes	62
Add-59	CUMBERLAND	Temporary access road adjustment to reach maintained road	0.0020	Addition	Yes	Yes	63
Add-60	CUMBERLAND	Temporary access road needed to facilitate safe installation	0.2579	Addition	Yes	Yes	71
Sub-88	CUMBERLAND	Temporary access road adjusted to avoid wetland impact	0.0055	Subtraction	NA	NA	76
Sub-89	CUMBERLAND	Temporary workspace no longer required	0.1403	Subtraction	NA	NA	82
Add-61	CUMBERLAND	Temporary access road needed to facilitate safe installation	0.0445	Addition	Yes	Yes	84
Add-62	CUMBERLAND	Temporary workspace needed to facilitate safe installation	0.5842	Addition	Yes	Yes	85

<b>CHANGE ID</b>	<b>COUNTY</b>	<b>REASON FOR CHANGE</b>	<b>ACREAGE</b>	<b>LOD ADDITION OR SUBTRACTION</b>	<b>WETLAND DELINEATION<sup>1</sup></b>	<b>PNDI EVALUATION<sup>2</sup></b>	<b>SHEET NUMBER</b>
Add-63	CUMBERLAND	Temporary access road needed to facilitate safe installation	0.0075	Addition	Yes	Yes	100
Sub-90	CUMBERLAND	Temporary access road no longer required	0.2112	Subtraction	NA	NA	118
Add-64	CUMBERLAND	Temporary access road needed to facilitate safe installation	0.8997	Addition	Yes	Yes	119

1 – The added area was field investigated for aquatic resources. Not applicable is listed for LOD subtractions.

2 – The added area was originally evaluated for PNDI. Not applicable is listed for LOD subtractions.





**Legend**

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- Perennial Stream
- Pond
- PEM
- PFO
- PSS

1 inch = 100 feet

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Cumberland County, PA.**  
6 of 132

Prepared By:	Date:
	10/2016

Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Cumberland County, PA.**  
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<b>Prepared By:</b> TETRA TECH	<b>Date:</b> 10/2016
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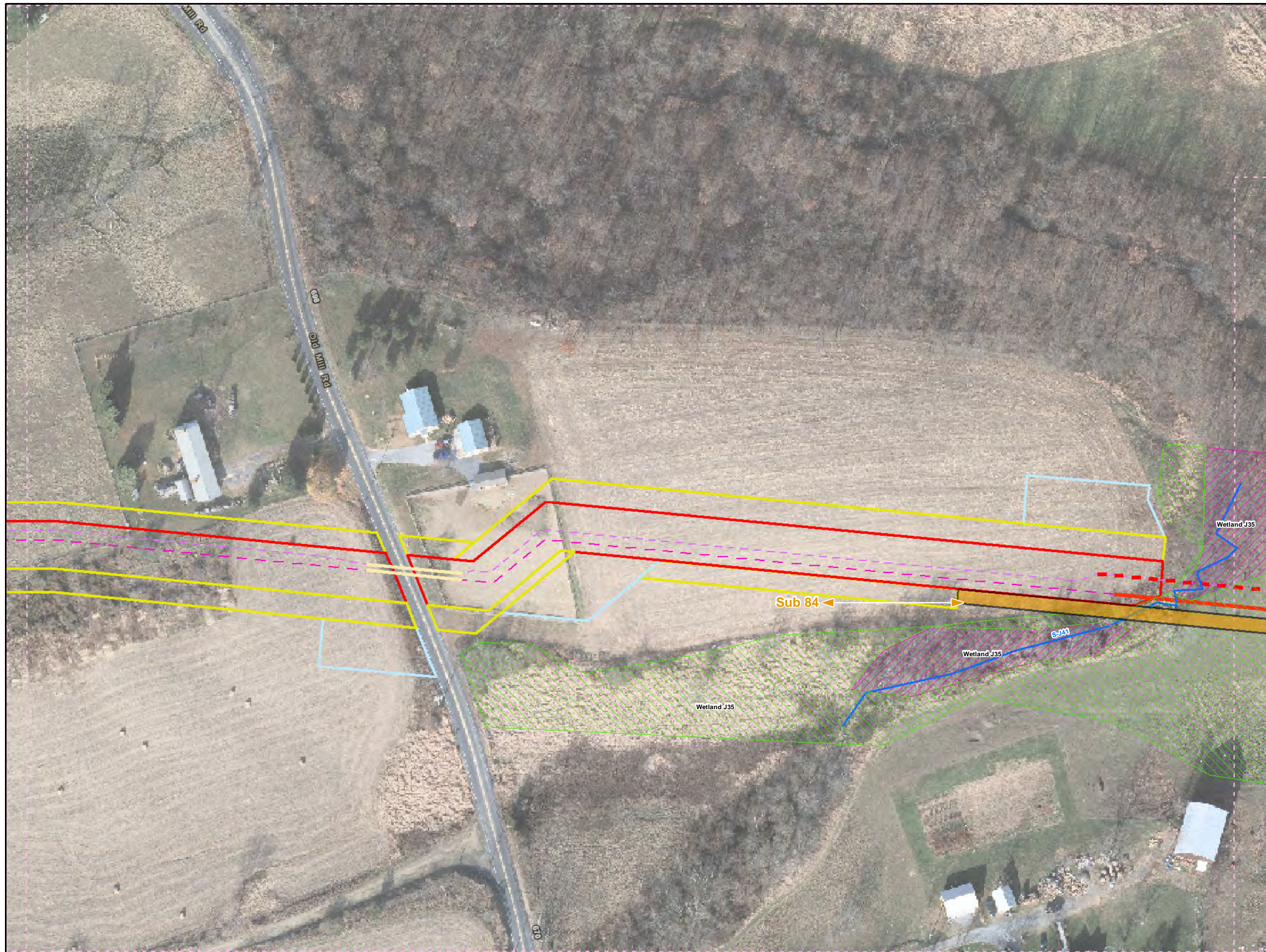
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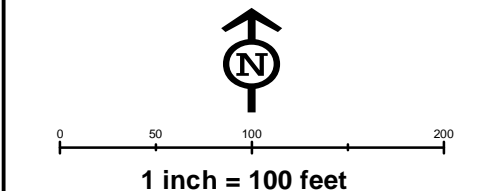
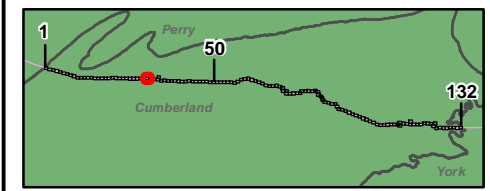








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**Workspace Changes for the Sunoco  
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Prepared By: <b>TETRA TECH</b>	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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0 50 100 200

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Cumberland County, PA.**  
31 of 132

Prepared By:	Date:
<b>TETRA TECH</b>	<b>10/2016</b>

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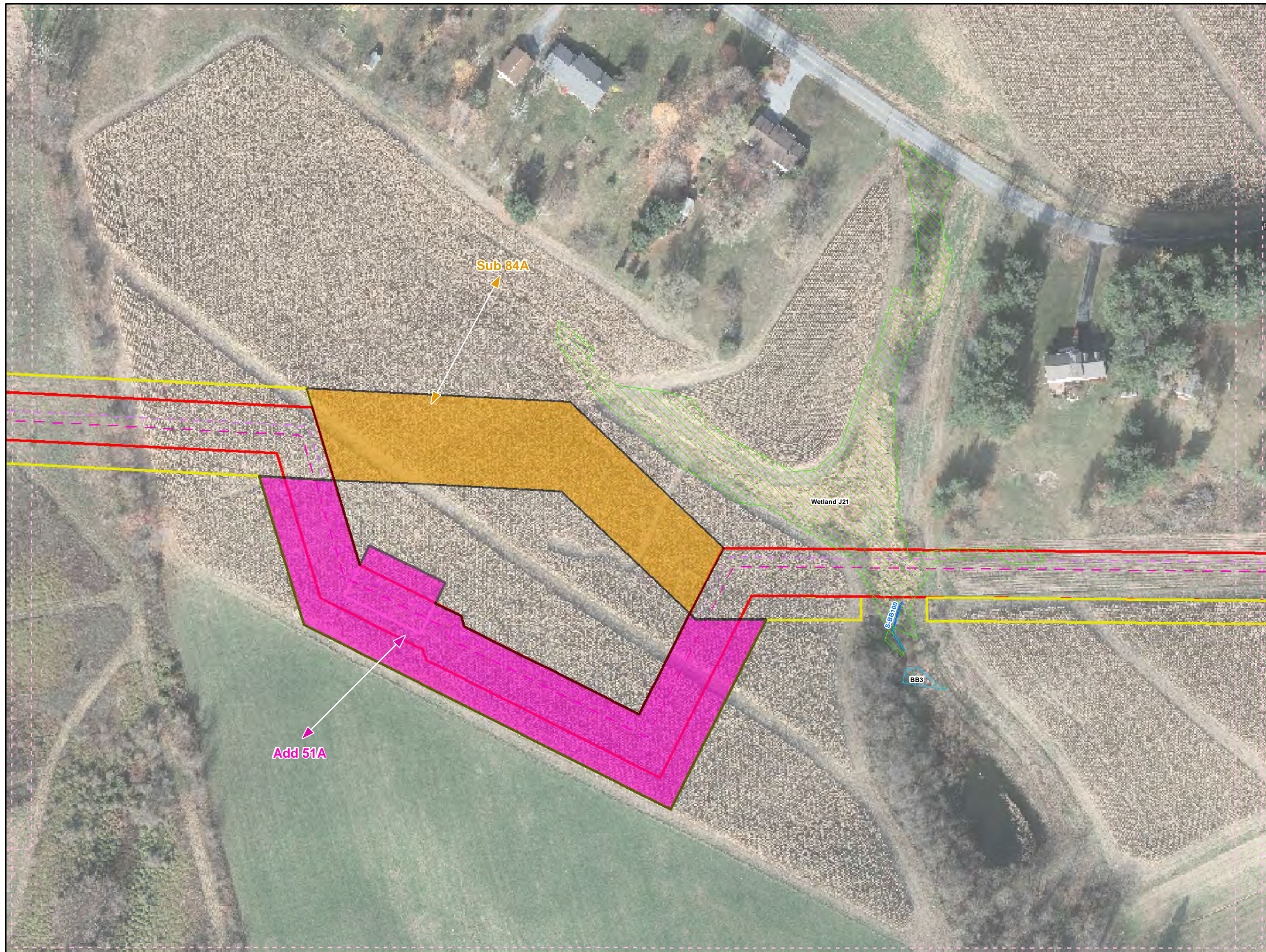
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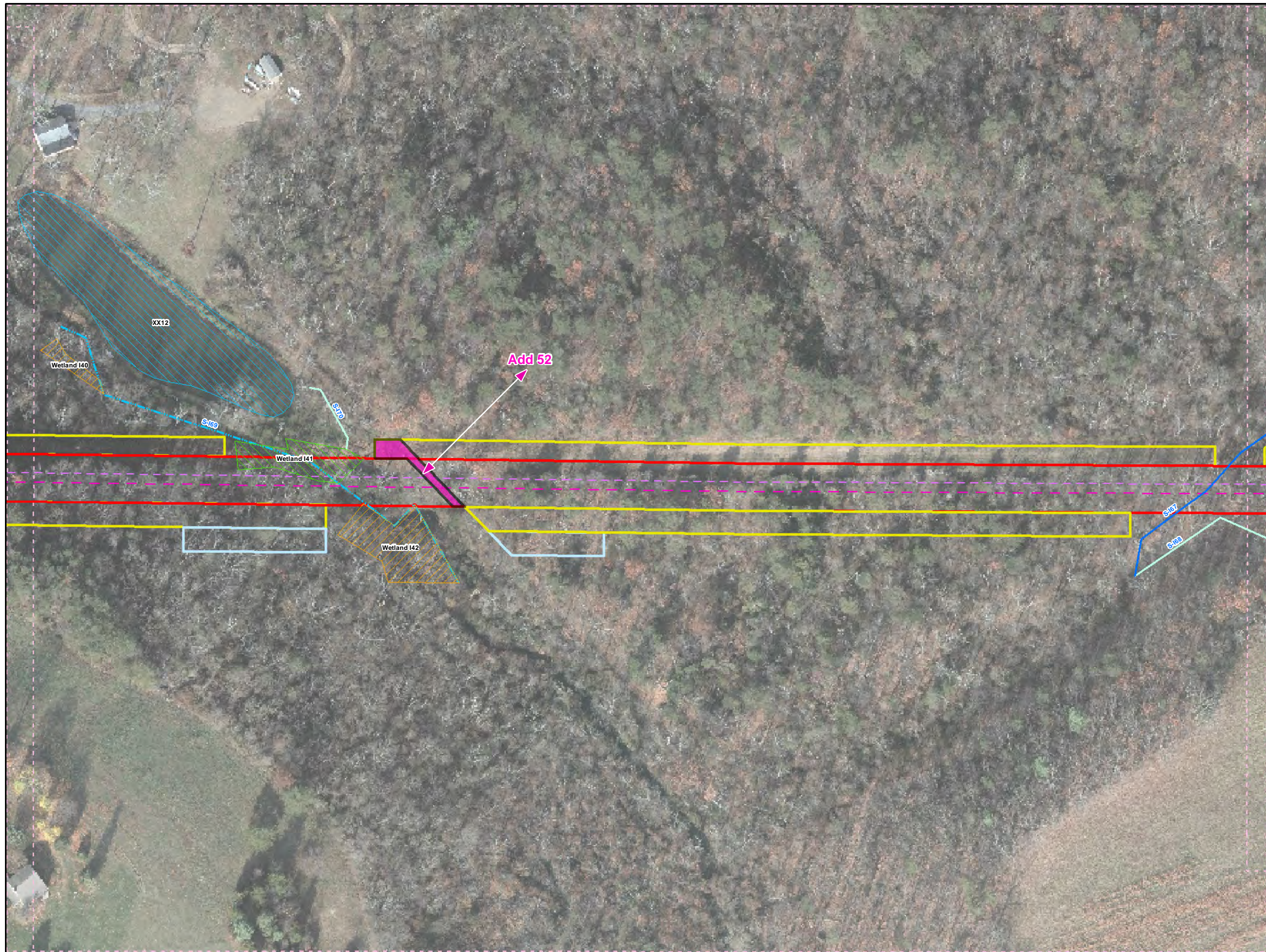
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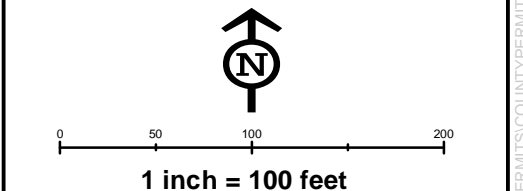
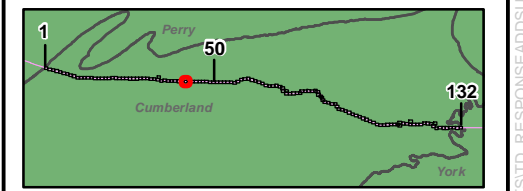
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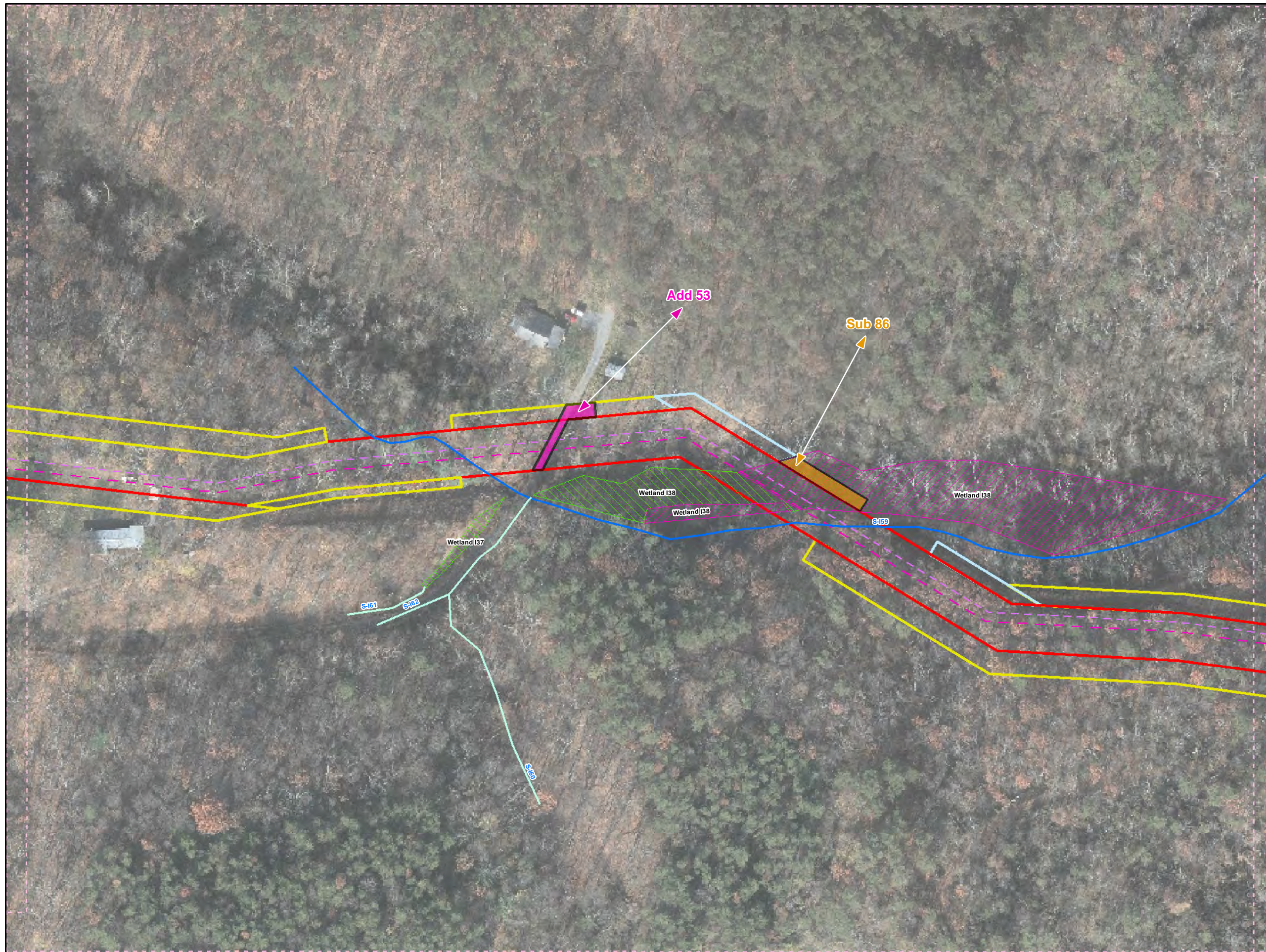


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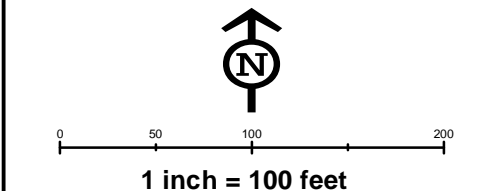
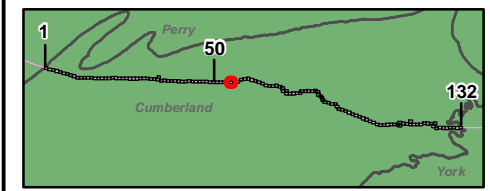
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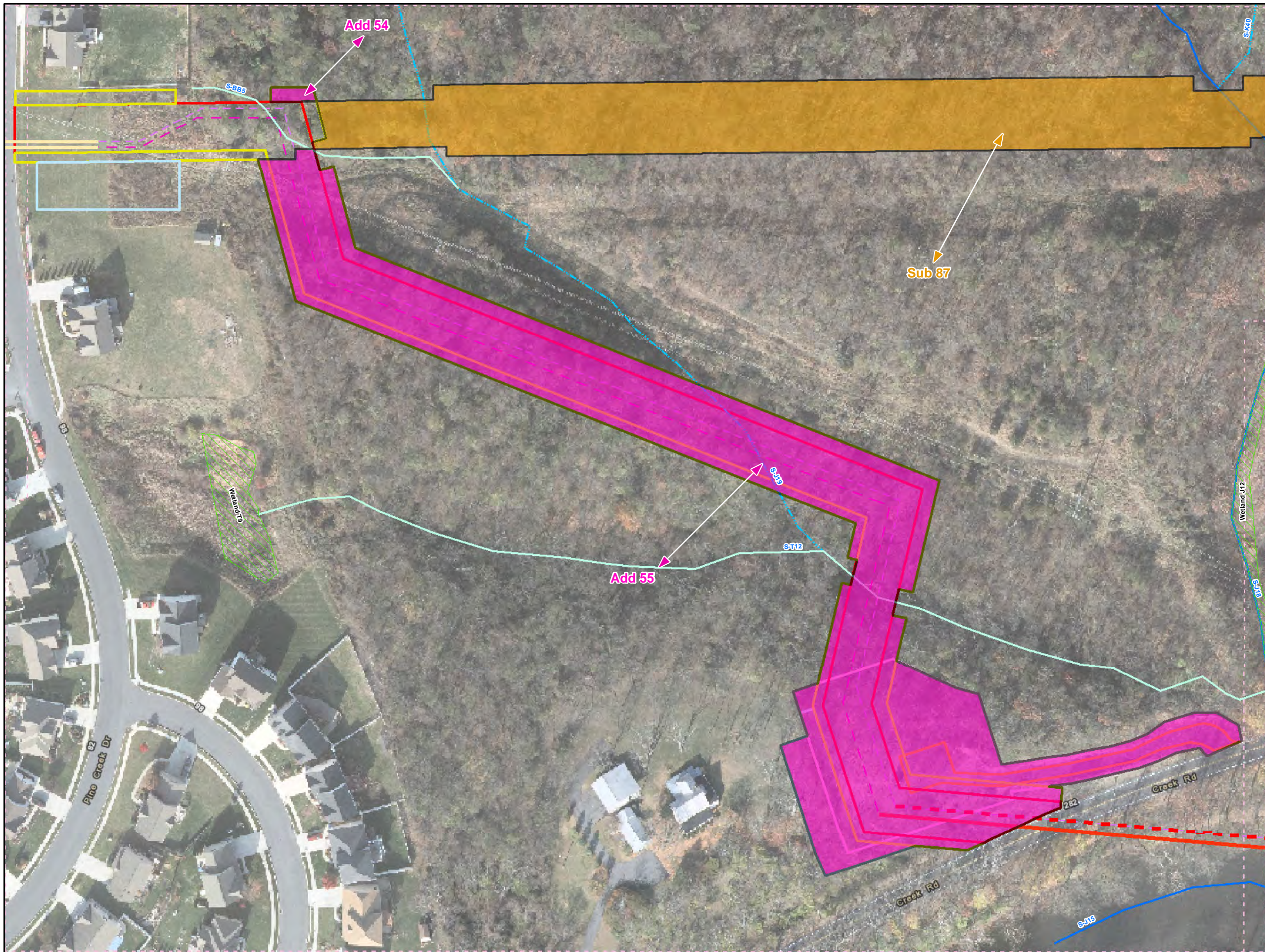


**Workspace Changes for the Sunoco  
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55 of 132**

<b>Prepared By:</b> 	<b>Date:</b> <b>10/2016</b>
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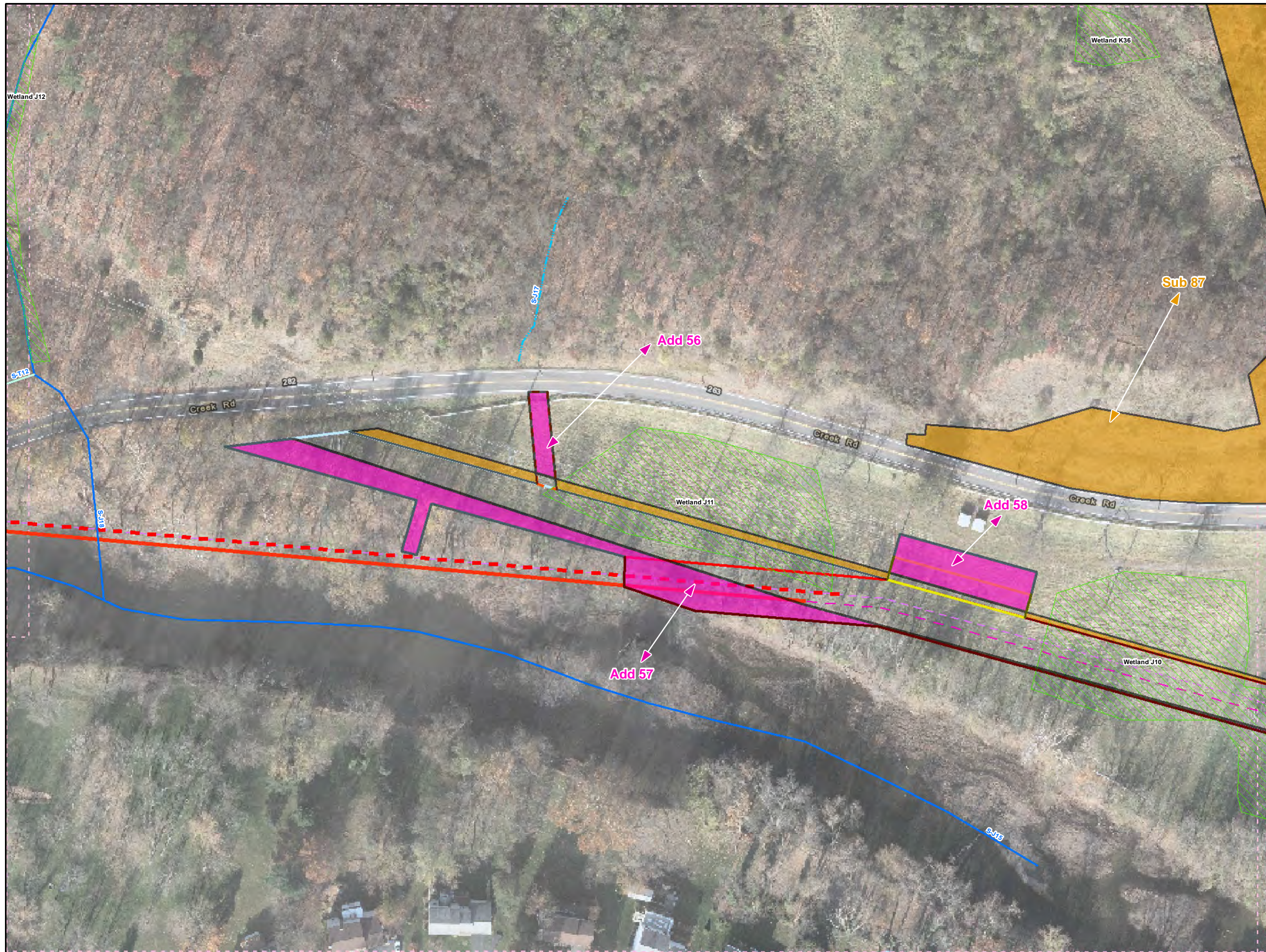
1 inch = 100 feet

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Cumberland County, PA.**

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Prepared By:	Date:
	10/2016

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**1 inch = 100 feet**

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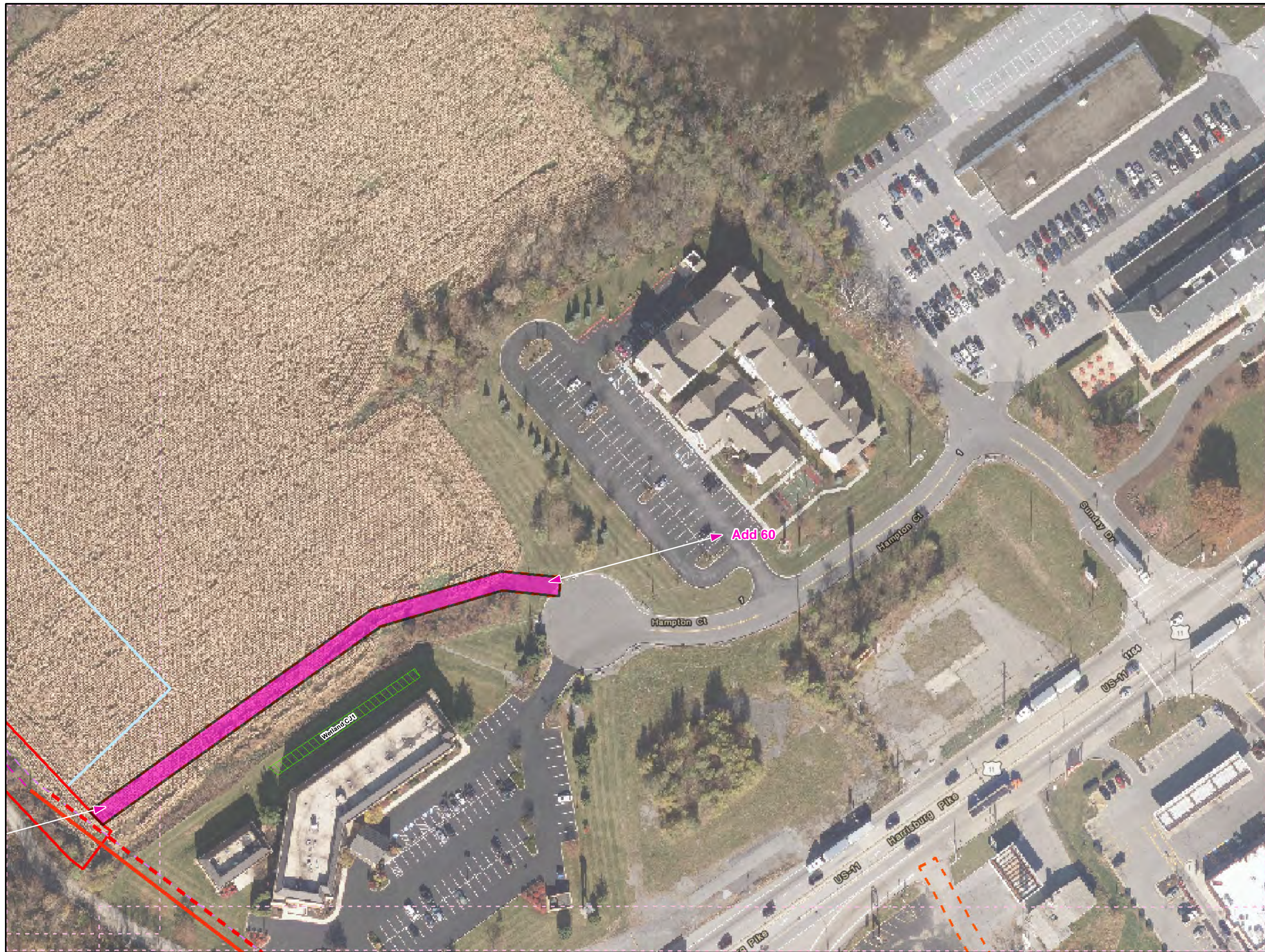
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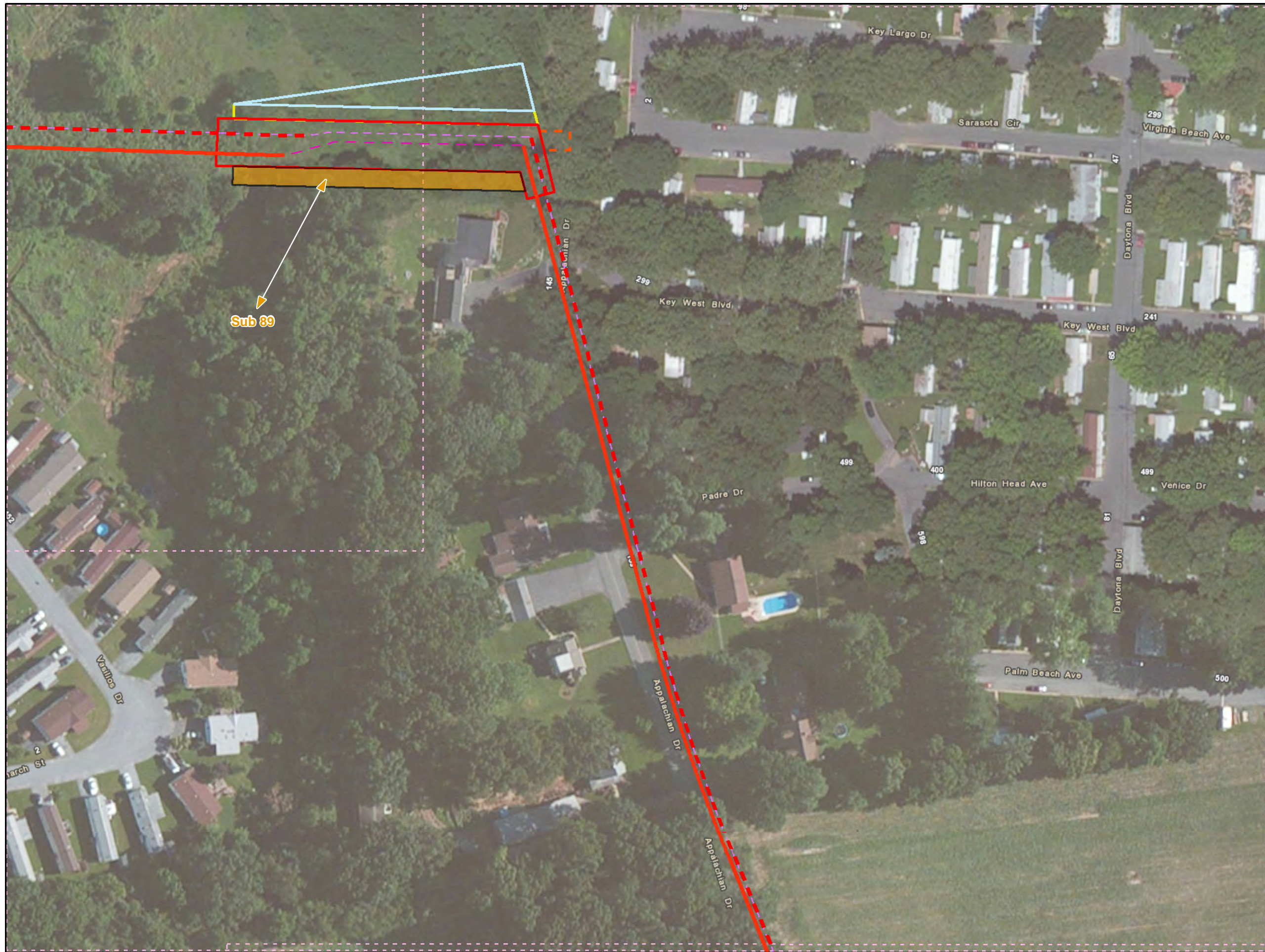
**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Cumberland County, PA.**  
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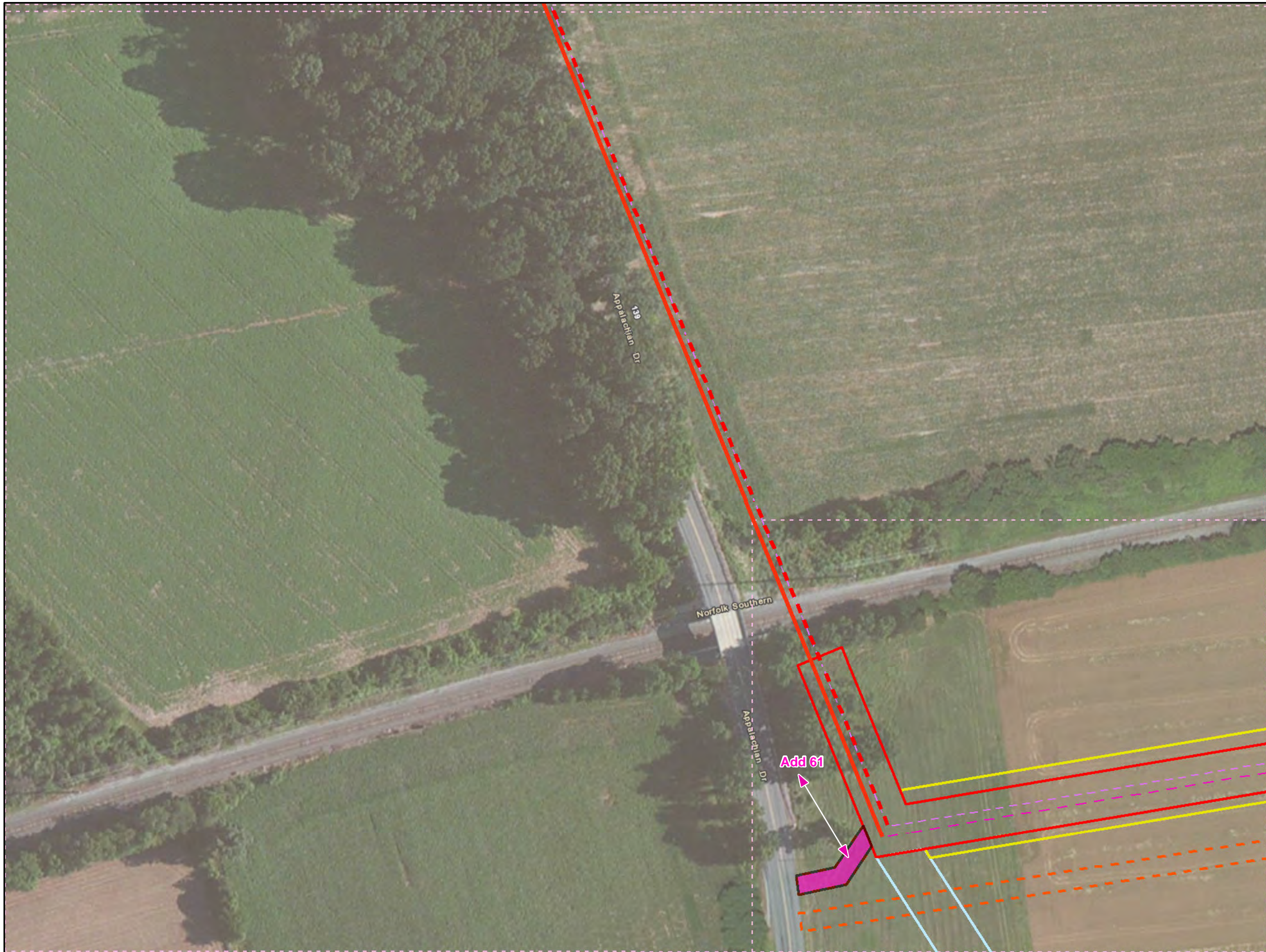
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**Workspace Changes for the Sunoco  
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Cumberland County, PA.  
83 of 132**

<b>Prepared By:</b> 	<b>Date:</b> <b>10/2016</b>
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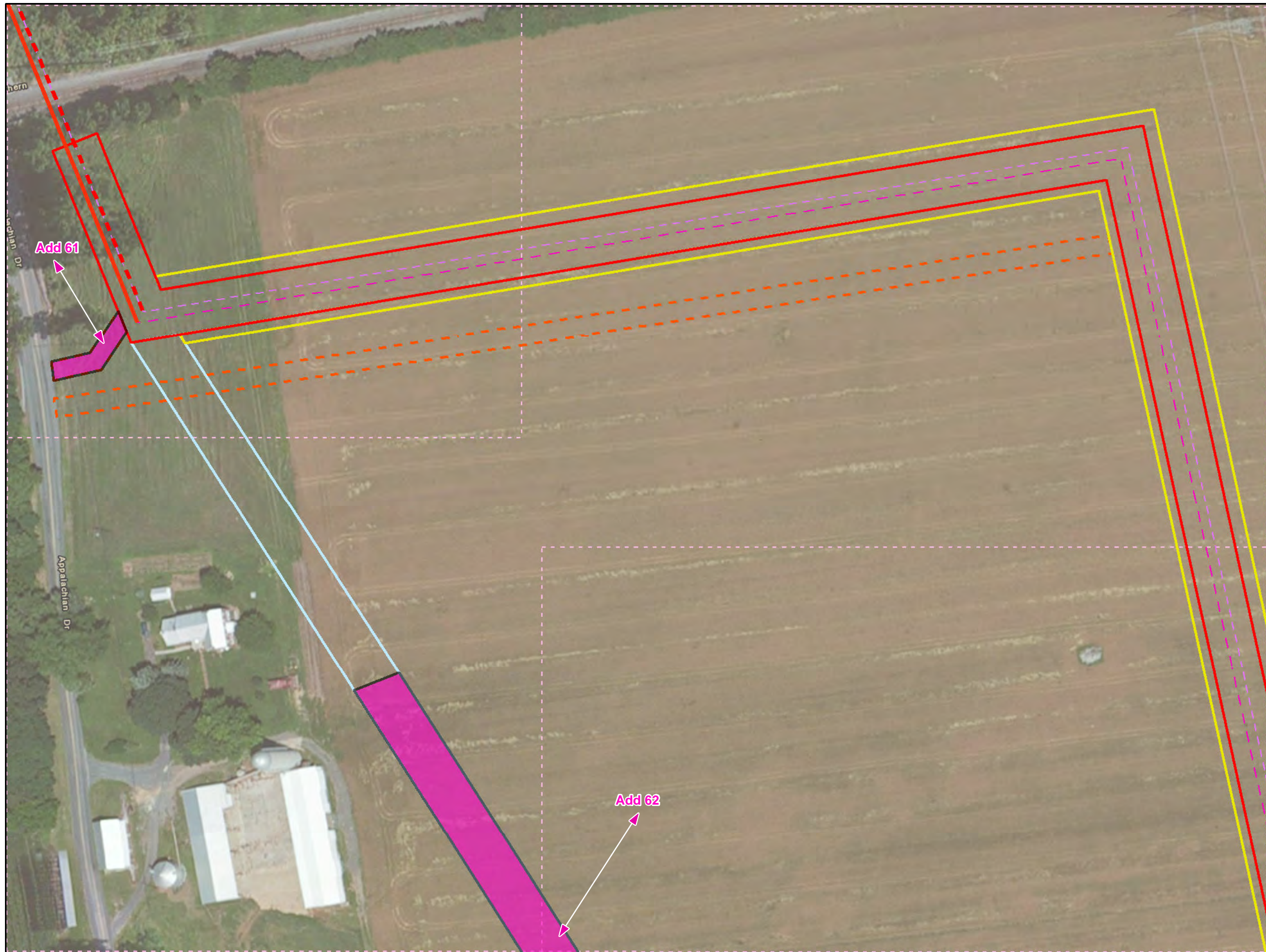
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1 inch = 100 feet

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Cumberland County, PA.**  
84 of 132

Prepared By:	Date:
<b>TETRA TECH</b>	<b>10/2016</b>

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<b>Prepared By:</b> 	<b>Date:</b> 10/2016
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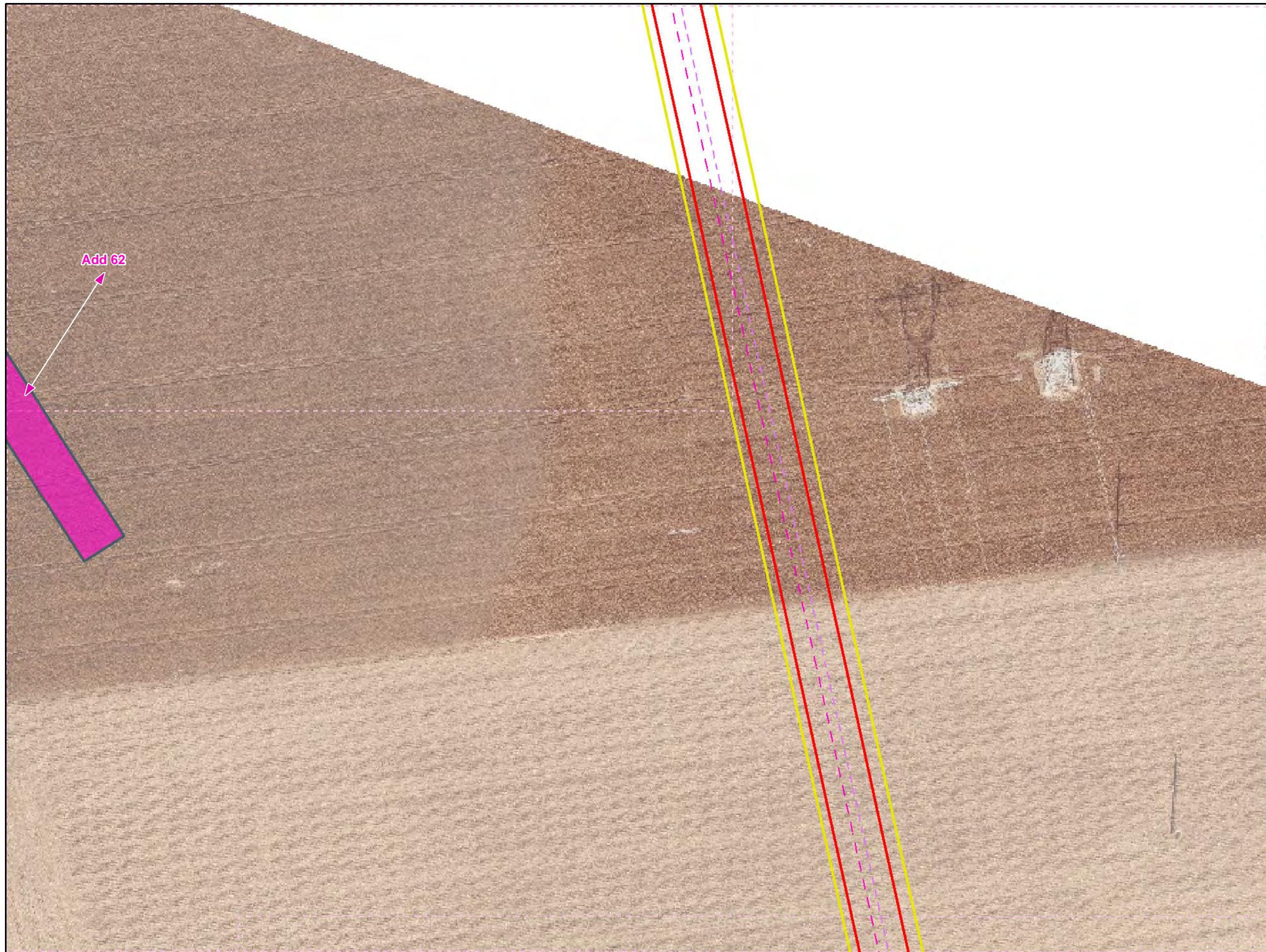
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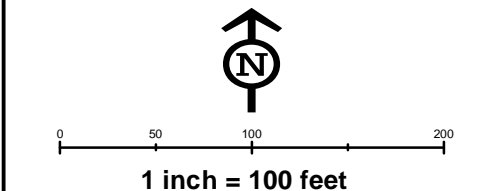
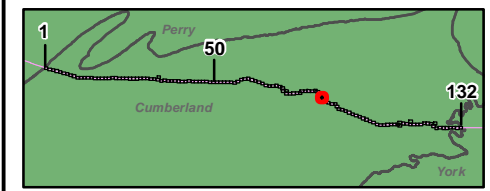
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  - PFO
  - PSS

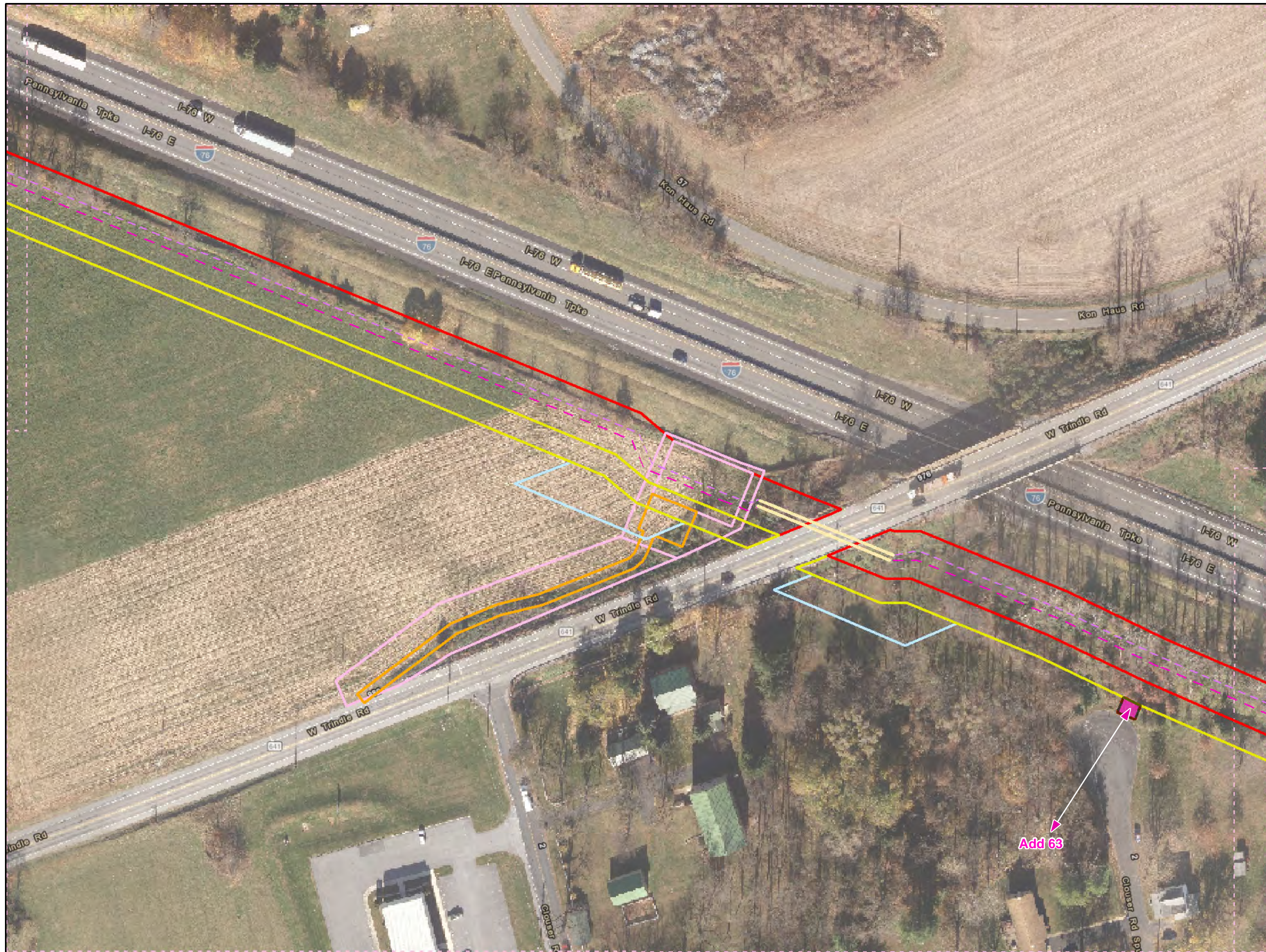


**Workspace Changes for the Sunoco  
Pennsylvania Pipeline Project,  
Cumberland County, PA.**  
86 of 132

Prepared By: TETRA TECH	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
- Proposed 16-inch Pipeline
- Bore Path
- PPP 1 HDD
- PPP 2 HDD
- Permanent ROW
- Temporary Workspace
- Additional Temporary Workspace or ATWS
- Block Valve Setting LOD
- Permanent Access Road
- Temporary Access Road
- Travel LOD
- Travel and Clearing LOD
- Station
- Ephemeral Stream
- Intermittent Stream
- Perennial Stream
- Pond
- PEM
- PFO
- PSS

0 50 100 200

**1 inch = 100 feet**

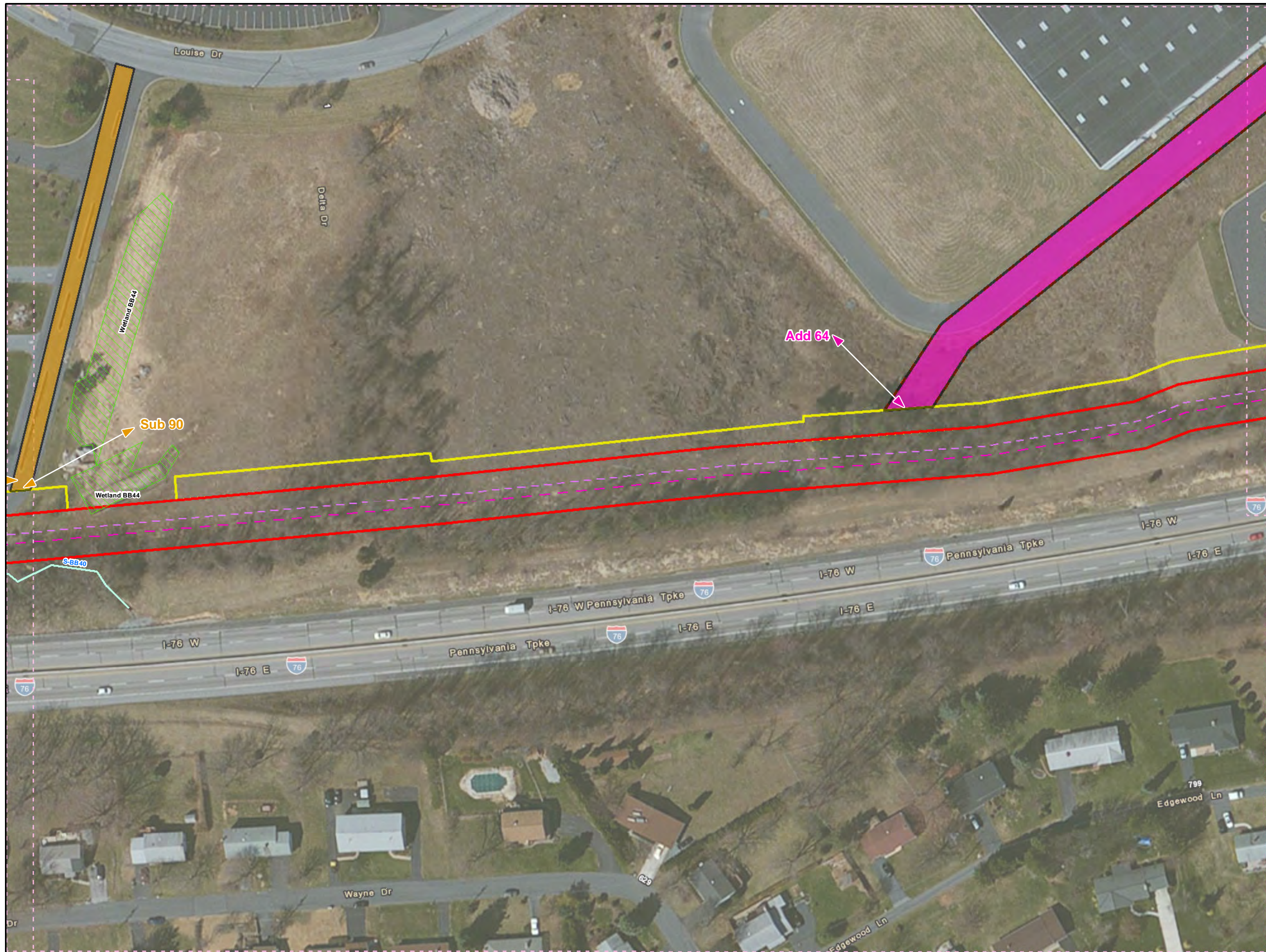
**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Cumberland County, PA.**  
100 of 132

Prepared By:	Date:
	10/2016

Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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**Legend**

- Added Workspace
- Removed Workspace
- Proposed 20-inch Pipeline
- Proposed 16-inch Pipeline
- Bore Path
- PPP 1 HDD
- PPP 2 HDD
- Permanent ROW
- Temporary Workspace
- Additional Temporary Workspace or ATWS
- Block Valve Setting LOD
- Permanent Access Road
- Temporary Access Road
- Travel LOD
- Travel and Clearing LOD
- Station
- Ephemeral Stream
- Intermittent Stream
- Perennial Stream
- Pond
- PEM
- PFO
- PSS

1 inch = 100 feet

**Workspace Changes for the Sunoco Pennsylvania Pipeline Project, Cumberland County, PA.**  
119 of 132

Prepared By: TETRA TECH	Date: <b>10/2016</b>
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Base Map: Sunoco, 2013-2016  
Roads: ESRI World Imagery Transportation  
Coordinate System: NAD 83 Stateplane, PA South, Feet

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